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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/668,039	09/22/2003	Markus Knoerr	25433-00021US	7289
33772	7590 12/29/2005		EXAMINER	
MCDONALD HOPKINS CO., LPA 2100 BANK ONE CENTER 600 SUPERIOR AVENUE, E.			MAZZUCA JR, DOUGLAS	
			ART UNIT	PAPER NUMBER
CLEVELANI	, OH 44114-2653		3726	
			DATE MAIL ED: 12/29/2004	ς .

Please find below and/or attached an Office communication concerning this application or proceeding.

Application/Control Number: 10/668,039

Art Unit: 3726

DETAILED ACTION

Drawings

1. The drawings were received on 3/18/2004. These drawings are acceptable.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 3. Claims 1-3 are rejected under 35 U.S.C. 102(e) as being anticipated by Meeker et al. (US Patent No. 6,408,669). Regarding claim 1, Meeker et al. disclose the following:

A method of manufacturing an automotive part having a spline comprising (column 1 lines 8-11): forging an automotive part (column 7 lines 56-58), said automotive part including a bore (figure 2B, 40; or figure 2A, 50); pressing (column 16 lines 6-13) a tool (figure 5A, 80) having at least one spline-generating groove into said bore to form an automotive part having a spline (figure 5A, 92).

4. Concerning claims 2 and 3, Meeker et al. disclose an automotive part formed from a high strength carbon steel alloy comprising at least 0.5% carbon (column 5

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lines 44-46; column 6 lines 17-22). Per applicant's specification, a wheel spindle is used as the prime example of an automotive part.

Claim Rejections - 35 USC § 103

- 5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 6. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Meeker et al. (US Patent No. 6,408,699) in view of Rogers (US Patent No. 4,543,813). Meeker et al. disclose all the claimed information as listed above, yet fail to disclose a splinegenerating tool not having splines along the whole axial length of said tool. Rogers teaches a spline-generating tool (figure 2 and 4, 20) having two spline-generating grooves (figure 3, 23) commencing at a terminal end (figure 2, where 23 meets 15) of the tool and running along a portion of the axial length of the tool that is less than the entire axial length of the tool (23 ends before end of tool). The purpose of creating spline grooves that terminate on a tool, is when the tool is pressed on a bore, the grooves generated on the bore do not run through the whole length of automotive part. This is not only done to effectively hold a male-mating part inside bore of the automotive part, but also to control how far the male part can penetrate said bore. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the method of Meeker et al. with the spline tool of Rogers in order to control how far a male-mating part can penetrate the splined bore.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas E. Mazzuca whose telephone number is (571)272-7813. The examiner can normally be reached on 7:30AM-4PM Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Marc Jimenez can be reached on (571)272-4530. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Douglas Mazzuca December 21, 2005

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Marc unenen Acting SPE Art Unit 3726